

ABSTRACT

The surface coated member comprises a substrate and a hard coating layer coated on the surface of the substrate. The hard coating layer comprises a lower layer composed of at least one layer and an upper layer composed of at least one layer and coated on the surface of the lower layer. When F_U stands for a peeling load under which the upper layer starts to peel away from the surface of the lower layer and F_L stands for a peeling load under which the lower layer starts to peel away from the surface of the substrate, the ratio (F_L/F_U) is 1.1 to 30. Thereby, it is possible to obtain a surface coated member that has excellent toughness and high fracture resistance, and that can be applied to a long life tool having excellent fracture resistance even under severe cutting conditions such as metal cutting, e.g., steel cutting and interrupted cutting of cast iron that bring a strong impact on a tool's cutting edge. It is also possible to maintain excellent fracture resistance and increase resistance to wear.